

In re Reissue Patent Application of
Patent No. 5,842,685 for:
PURVIS ET AL.
Serial No. 08/620,211
Filed: March 29, 1996
Issued: December 1, 1998

a plurality of upright stanchions;
an anchor bracket connected to a bottom end of each
respective one of the plurality of stanchions;

a plurality of vertically spaced-apart side rails
connected to each of the plurality of stanchions;

means for rotatably connecting said rails to said
stanchions enabling each respective side rail to be rotated
about a longitudinal axis of each respective stanchion in a
horizontal plane and each respective side rail to be pivoted
at varying angles in a vertical plane, said connecting means
including a first threaded stud outwardly projecting from a
top end of said stanchions in substantially axial alignment
therewith enabling each of said upper side rails to be
rotatably mounted thereon at various angles, said upper side
rails being pivoted in a vertical plane at varying angles by
use of angulation means;

means for telescopically adjusting the length
of each respective side rail enabling said temporary guardrail
system to be adapted to dimensional features of different
buildings under construction; and

means for selectively extending the vertical
height of said guardrail system for employees performing
specialized tasks requiring ladders and stilts adjacent
thereto.

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13. The temporary guardrail system of Claim 12 wherein said swiveling means includes a pair of said studs arranged in parallel, spaced-apart relation thereon, said studs being disposed in perpendicular relation to said axis of said stanchion enabling a pair of adjacent upper side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as stairs.

14. The temporary guardrail system of Claim 12 wherein said connecting means for said lower side rails comprises at least one rail support collar cooperating with an angulation means attached to each of said side rails, said at least one rail support collar being disposed about said stanchion and having at least one threaded stud outwardly extending therefrom and being perpendicular to a center axis of said collar enabling said angulation means of said side rails to be fixedly mounted on said at least one threaded stud.

15. The temporary guardrail system of Claim 14 wherein said angulation means of said side rails comprises a mid-rail, swivel bracket disposed on said on at least one threaded stud extending from said rail support collar, said

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mid-rail, swivel bracket including an elongated body member and further including swiveling means being adapted for pivoting movement in a plane parallel to the plane defining said elongated body member, said swiveling means of said mid-rail, swivel bracket including a threaded stud mounted in perpendicular relation to said axis of said stanchion enabling said lower side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as flights of stairs.

16. The temporary guardrail system of Claim 15 wherein said swiveling means of said mid-rail, swivel bracket includes a pair of threaded studs arranged in generally parallel, spaced-apart relation enabling a pair of said lower side rails to be mounted thereon and pivoted in a vertical plane at varying angles for installation of said temporary guardrail system on inclines such as flights of stairs.

17. The temporary guard rail system of Claim 14 wherein a plurality of rail support collars are disposed about said stanchions at a pre-determined vertical location in an operative relationship between at least two rail stops.

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18. The temporary guardrail system of Claim 12 wherein said extending means includes a plurality of extension posts being adapted for sliding engagement about the outside diameter of said stanchions at the upper ends thereof, said extension posts including connecting means so as to permit attachment of a plurality of vertically spaced side rails thereon enabling the vertical height of said temporary guard rail system to be selectively extended to provide increased safety to employees performing specialized tasks adjacent thereto.

19. The temporary guard rail system of Claim 12 wherein each respective stanchion is fixedly attached to a ground anchoring means for installation directly onto a ground surface adjacent an excavation site.

20. The temporary guard rail system of Claim 19 wherein said ground anchoring means is fabricated from a heavy gauge, corrugated sheet metal material that is adapted to receive a plurality of anchor pins therethrough for securing said ground anchoring means directly to the surface of the ground.